

What is claimed is:

1. A coordination controller for controlling at least one electric power-consuming apparatus or electric power generating apparatus constituting an electric power facility linked to an electric power system, the coordination controller comprising:

means for communicating with the outside of the electric power facility;

means for monitoring the current time;

means for achieving synchronization with the time of the outside; and

means for receiving a control schedule for the electric power-consuming apparatus or electric power generating apparatus, wherein

the control schedule is implemented in accordance with the time obtained by the time monitoring means.

2. A coordination controller for controlling electric power equipment in an electric power facility that can be linked to an electric power system, the coordination controller comprising:

means for receiving the contents of control of the electric power equipment and a control schedule concerning the time of implementation of the control contents, the control contents being transmitted from the outside of the electric power facility;

means for monitoring the current time; and

means for outputting a control instruction based on the control schedule received by the receiving means to the electric power equipment, in accordance with the time monitored by the time monitoring means.

3. The coordination controller according to claim 2, wherein

the electric equipment comprises a distributed power resource, a reactor, or a capacitor, and wherein

the control schedule pertains to the time of connecting or disconnecting

the distributed power resource, reactor, or capacitor in parallel to or from the electric power system.

4. The coordination controller according to claim 2, wherein

the electric power equipment is an electric power converter with an adjustable phase factor, and wherein

the control schedule pertains to the setting of the phase factor of the electric power converter and the time of setting of the phase factor.

5. A coordination controller for an electric power facility, comprising:

means for storing information about electric power equipment in a plurality of electric power facilities that can be linked to an electric power system, and information about the electric power system;

means for creating a control schedule using the information about the electric power equipment in the electric power facilities and the information about the electric power system, the control schedule pertaining to the contents of control of the electric power equipment in the electric power facilities and the time of implementation of the control contents; and

means for transmitting the created control schedule to the electric power facilities.

6. The coordination controller according to claim 5, wherein the control schedule creating means creates the control schedule under the condition that the quality of electric power in the electric power system is controlled to within a predetermined reference value.

7. The coordination controller according to claim 6, wherein the electric power quality is defined in terms of an instantaneous voltage value in the electric power system, a voltage value in a steady state, or a voltage unbalance ratio.

8. The coordination controller according to claim 5, comprising:

means for creating a control schedule pertaining to the contents of control of the electric power equipment in the electric power facilities and the time of implementation of the control contents;

means for analyzing the quality of electric power in the electric power system according to the control schedule;

means for correcting the control schedule if the analyzed electric power quality in the electric power system does not meet a predetermined quality; and

means for transmitting the control schedule created by the control schedule creating means or corrected by the control schedule correcting means to the electric power facilities.

9. The coordination controller according to claim 5, wherein the electric power quality is defined in terms of an instantaneous voltage value in the electric power system, a voltage value in a steady state, or a voltage unbalance ratio.

10. The coordination controller according to claim 5, further comprising:

means for transmitting a signal indicating the creation of a right to obtain a certain reward based on the control schedule to the electric power facilities.

11. The coordination controller according to claim 10, wherein the certain reward is commensurate with a value indicating how much cost reduction has been achieved by the electric power facilities with regard to the selling of electricity in accordance with the control schedule.